

## $\nu$ Physics Searches with Neutrino Oscillation Experiments

*Wednesday 10 March 2021 11:00 (1 hour)*

We will discuss several old and new searches for physics beyond the Standard Model in the neutrino sector. The first part of the talk will be devoted to the long-standing short-baseline oscillation anomalies, which we will attempt to explain both within the Standard Model and by going beyond. In the second part of the talk, we will give an overview of possible future searches for physics beyond the Standard Model using neutrino experiments, including searches for Fuzzy Dark Matter in neutrino oscillations, searches for new neutrino interactions using LHC neutrinos, and searches for light new particles in the Near Detectors at neutrino facilities.

Join Zoom Meeting

<https://technion.zoom.us/j/98345039651?pwd=ck5mdi9yUUdnTWhpYTY1bml0QVdOUT09>

Meeting ID: 983 4503 9651

Passcode: HEP\_Joint

**Presenter:** KOPP, Joachim (CERN)